

## ABSTRACT

A device for body fluid purification, comprising a container having an inlet and an outlet for a fluid and a means for preventing an adsorbent from flowing out of the container and an adsorbent charged in  
5 the container, the adsorbent comprising a spherical hydrogel, the spherical hydrogel having an average particle size in a range of from about 460 to 600  $\mu\text{m}$  and having a substantially uniform particle size and comprising an epoxidated cellulose having hexadecylamine  
10 immobilized thereon in an amount of 100 to 300  $\mu\text{mol}$  per gram of dry weight of said epoxidated cellulose, and water, wherein the weight ratio of said epoxidated cellulose having hexadecylamine immobilized thereon to the water is 2:8.